

14_23 Multiple Independent Shapes and Shape Filler Lines

Question:

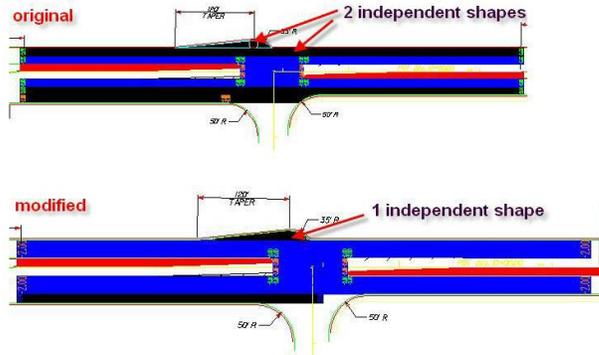
I am having trouble running templates. I get inconsistent results when I try to run criteria. The most common problem encountered is that it does not read the shape file correctly (jug handles, other random places etc). Draws "Spikes" on pavement template. I have done extensive testing working with criteria shape files and criteria input files but have been unable to resolve the problem. What could be the cause?

Answer:

There are two problems with the shape file that may have caused some inconsistencies with the Criteria run.

- 1) Multiple Independent Shapes Per Shape Cluster (On Left or Right Each)
- 2) No Filler Line distance for U-Turn Bulb Type Median Crossovers Shapes

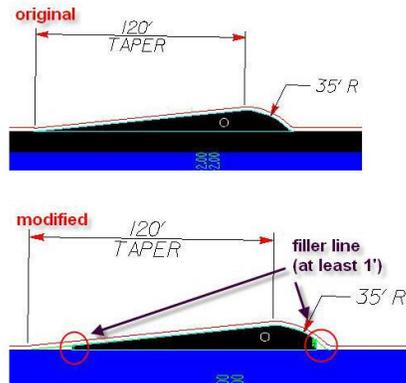
It is recommended that maximum of one (1) Geopak independent shape per shape cluster. Multiple Geopak dependent shapes are valid. It is hard to tell what cross section, if any, will be drawn if more than one independent shapes exist. Below are the original shape layout and the modified one. The blue shapes are dependent shapes while the black shapes (white on your screen) are the independent shapes.



For the creation of any Geopak shapes, independent and dependent, we recommend a minimum filler line shape distance of 1' (0.3 m). The filler line distance property of Geopak shapes is the shape width at the beginning and ending stations. Below is a sketch depicting the shape filler line and longitudinal edge relationship.



Below are the original shapes for the U-turn bulb type median crossover and the modified one.



Here is the cross section created with the original shape file.



Here is the same cross section generated by the modified shape file.

